

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **59-076376** (71)Applicant : **MITSUBISHI PETROCHEM CO LTD**

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(54) POROUS CARBONACEOUS SINTERED BODY

(57)Abstract:

PURPOSE: To provide a lightweight porous carbonaceous sintered body having a specified pore volume and suitable for use as a porous electrode for a fuel cell, a catalyst carrier, a filter for separating a substance or the like.

CONSTITUTION: This porous carbonaceous sintered body has 0.2W1.4cc/g pore volume measured by a mercury injecting method. The sintered body is formed by sintering a carbonaceous starting material such as carbon black by heating at 1,000W3,000°C in vacuum or an inert atmosphere under about 100W1,000kg/cm² pressure with a hot press using a high frequency induction heating system or the like. The starting material may be mixed with a binder and additives before the sintering, as necessary.